

S.N. 10/692,698
RESPONSE TO OFFICE ACTION MAILED 10/07/2005

Law Offices of Natan Epstein
Attorney Docket DE012

**MARKED-UP LISTING OF THE AMENDED CLAIMS
RESPONSIVE TO OFFICE ACTION MAILED 10/07/2005**

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1 (currently amended). An adjustable height seat, comprising:

a chair frame, a telescoping support mounted to said chair frame, a seat entirely supported on said telescoping support, a spring normally urging said telescoping support towards an elevated condition, said telescoping support being operative for raising and
10 lowering ~~the entire~~ said seat relative to said chair frame responsive to repositioning of a user's body weight on said seat .

2 (original). The adjustable height seat of Claim 1 wherein said seat is depressed from
15 an elevated to a lowered position when the user's body assumes a relatively reclined position wherein the user's body weight overcomes said urging of said spring.

3 (original). The adjustable height seat of Claim 1 wherein said seat is elevated from a
20 lowered position when the user's body is partially offloaded from said seat onto a ground surface such that said spring overcomes the user's remaining body weight on said seat and causes telescoping extension of said telescoping support for raising said seat relative to said frame.

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4 (original). The adjustable height seat of any of Claims 1 through 3 wherein said telescoping support is frictionally arrested against substantial telescoping movement in a generally upright or forward leaning seated position of the user on said seat.

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5 (currently amended). The adjustable height seat of Claim 4 wherein said fixed orientation of said telescoping support is inclined away from the vertical.

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6 (currently amended). The adjustable height seat of Claim 5 wherein said chair has a back, a front and two sides and said fixed orientation of said telescoping support is inclined towards said front ~~between said sides~~.

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Cancel Claim 7. The adjustable height seat of any of Claims 1 through 3 wherein said telescoping support has an upper member telescopically slidable relative to a lower member, said seat being mounted on said upper member.

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8 (currently amended). The adjustable height seat of Claim 1 through 3 wherein said ~~telescoping support has tubular upper and lower members~~ are tubular telescopically ~~slidable relative each other~~ and said spring is contained in said tubular upper and lower members.

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9 (original). The adjustable height seat of Claim 8 wherein said upper member and said lower member are of rectangular cross section.

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10 (original). The adjustable height seat of Claim 8 wherein said upper member is slidable within said lower member.

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11 (original). The adjustable height seat of Claim 8 wherein said spring is a gas spring.

12 (original). The adjustable height seat of Claim 1 wherein said chair frame is a wheel chair frame.

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13 (original). The adjustable height seat of Claim 12 wherein said wheel chair frame is a folding wheel chair frame.

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14 (currently amended). The adjustable height seat of Claim 12 or Claim 13 wherein said telescoping support is removable with said upper member of said telescoping support from removably mounted to said wheel chair frame thereby to admit installation
5 of a fixed elevation wheelchair seat on said frame or to permit folding of said wheelchair frame.

15 (currently amended). An adjustable height seat, comprising:
10 a chair frame, a seat supported on a movable member slidable relatively to a stationary member mounted in fixed non-vertical orientation on said frame, a spring normally urging said movable member towards an elevated condition, said movable member and said stationary member being arranged and configured such that said movable member is arrested by frictional engagement with said stationary member
15 against substantial telescoping movement relative to said stationary member in a generally normal seated position of the user such that said seat remains at a selected position relative to said frame, and wherein the body weight of said user overcomes said urging of the spring in a relatively reclining position of the user thereby to depress said movable member for lowering said seat on said frame, and ~~the entire~~ said seat can be
20 raised on said frame by partially offloading the user's body weight from said seat onto a ground surface such that said spring overcomes the user's remaining body weight on said seat thereby elevating said movable member and said seat.

25 Cancel Claim 16. The adjustable height seat of Claims 15 wherein said movable member is arrested by frictional engagement with said stationary member.

17 (original). The adjustable height seat of Claim 15 wherein said movable member and
30 said stationary member are assembled in telescoping relationship.

18 (currently amended). The adjustable height seat of Claim 15 wherein said chair frame is a foldable chair frame and said seat together with one or both of said movable

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member and said stationary member are removable from said chair frame to permit folding of said chair frame.

5 19 (currently amended). A folding wheel chair with riser seat, comprising:
a wheel chair frame having left and right frame subassemblies, a scissor
arrangement including a center pivot interconnecting said frame subassemblies for
movement towards and away from each other between a deployed condition and a
folded condition of the wheel chair, a telescoping support mounted between said frame
10 subassemblies, a seat entirely supported on said telescoping support for movement
between a lowered and an elevated condition, said telescoping support being operative
for raising and lowering ~~the entire~~ said seat relative to said chair frame responsive to
repositioning of a user's body weight on said seat relative to said telescoping support,
said seat being removable from between said frame subassemblies to permit folding of
15 the wheelchair frame.

20 (original). The folding wheel chair with riser seat of Claim 19 wherein said
telescoping support comprises a spring normally urging said telescoping support
20 towards said elevated condition.

21 (original). The folding wheel chair with riser seat of Claim 20 wherein said
telescoping support is designed, arranged and configured such that a frictional force
25 between members of said telescoping support is reduced when a user reclines on said
seat and the body weight of said user overcomes said urging of said spring thereby to
cause telescoping retraction of said support for lowering said seat on said frame.

30 22 (currently amended). The folding wheel chair with riser seat of Claim 20 wherein said
seat is elevated on said frame in response to the user partially shifting his or her body
weight onto a ground surface such that said spring overcomes the user's body weight
remaining on said seat and causes telescoping extension of said telescoping support for
raising said seat relative to said frame.

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23 (currently amended). The folding wheel chair with riser seat of any of Claims 19
through 22 wherein said telescoping support has at least two tubular members
5 assembled in sliding telescoping relationship, and said telescoping support is mounted in
fixed inclined orientation relative to said frame.

24 (original). The folding wheel chair with riser seat of Claim 23 wherein said
10 telescoping support has an upper member telescopically slidable relative to a lower
member, said seat being mounted on said upper member, and a spring contained in said
upper member and said lower member for urging said upper member and said seat
towards said elevated condition.

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25 (original). The folding wheel chair with riser seat of any of Claims 19 through 22
wherein said telescoping support is supported at said center pivot between said frame
subassemblies.

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26 (original). The folding wheel chair with riser seat of Claim 25 wherein said scissor
arrangement includes cross braces interconnecting said frame subassemblies and
joined for scissor movement at said center pivot, and foldable slide braces arranged for
providing a second support point for said telescoping support in said deployed condition
25 of the wheelchair thereby to maintain said telescoping support upright between said
frame subassemblies.

27 (currently amended). The folding wheel chair with riser seat of any of Claims 19
30 through 22 and 24-26 wherein said telescoping support is mounted on a riser seat frame,
said riser seat frame being removably supported on said wheel chair frame in a
deployed condition of said wheel chair.

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28 (previously amended). The folding wheel chair with riser seat of Claim 27 wherein said riser seat frame is of adjustable width thereby to fit wheel chair frames of different width between said frame subassemblies.

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29 (previously amended). The folding wheel chair with riser seat of Claim 27 wherein said riser seat frame has a pair of transverse supports connected by a pair of longitudinal beams, said telescoping support being mounted between said longitudinal beams.

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30 (previously amended). The folding wheel chair with riser seat of Claim 27 wherein said riser seat frame has a pair of transverse supports and hanger brackets on each of said transverse supports for suspending said riser seat frame from said frame subassemblies.

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31 (original). The folding wheel chair with riser seat of Claim 30 wherein said transverse supports are of telescoping length for adjusting the spacing between said hanger brackets.

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32 (original). The folding wheel chair with riser seat of Claim 31 further comprising fasteners for fixing said length of said transverse supports.

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33 (currently amended). A riser seat for installation in a wheelchair of the type having left and right frame subassemblies and a non-rising seat removably suspended between said subassemblies, said riser seat comprising:

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a removable riser seat frame adapted to be removably suspended between said frame subassemblies interchangeably with said non-rising seat, a telescoping support mounted on said removable riser seat frame, a seat on said telescoping support, a spring for urging said telescoping support towards an upwardly extended condition thereby to elevate the entire said seat relative to said removable riser seat frame, said

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telescoping support being operative for raising and lowering ~~the entire~~ said seat relative to said removable riser seat frame responsive to repositioning of a user's body weight on said seat.

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34 (previously amended). The riser seat of Claim 33 wherein said removable riser seat frame is of adjustable width thereby to fit wheel chairs of different width between said removable riser seat frame subassemblies.

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35 (previously amended). The riser seat of Claim 33 wherein said removable riser seat frame has a pair of transverse supports connected by a pair of longitudinal beams, said telescoping support being mounted between said longitudinal beams.

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36 (previously amended). The riser seat of Claim 35 wherein said removable riser seat frame has a pair of transverse supports and hanger brackets on each of said transverse supports for suspending said removable riser seat frame from said frame subassemblies.

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37 (original). The riser seat of Claim 36 wherein said transverse supports are of telescoping length for adjusting the spacing between said hanger brackets.

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38 (original). The riser seat of Claim 37 further comprising fasteners for fixing said length of said transverse supports.

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39 (previously added). The riser seat of Claim 1 wherein said seat substantially retains its angular orientation relative to said wheelchair frame as the seat rises and lowers.

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40 (previously added). The riser seat of Claim 15 wherein said seat substantially retains its angular orientation relative to said wheelchair frame as the seat rises and lowers.

5 41 (previously added). The riser seat of Claim 19 wherein said seat substantially retains its angular orientation relative to said wheelchair frame as the seat rises and lowers.

10 42 (previously added). The riser seat of Claim 33 wherein said seat substantially retains its angular orientation relative to said wheelchair frame as the seat rises and lowers.

43 (new). An adjustable height seat, comprising:

15 a chair frame, a telescoping support including a stationary lower member mounted to said chair frame in fixed non-vertical orientation, a seat supported on an upper member telescopically displaceable relative to said lower member, a spring normally urging said telescoping support towards an elevated condition, wherein said upper member and said lower member are arrested against relative telescoping displacement by mutual frictional engagement and released from said mutual frictional engagement responsive to selective repositioning of an occupant's body weight on said
20 seat thereby to position and hold said seat at arbitrarily chosen degrees of telescopic extension of said support between a lowered condition and said elevated condition of said seat.

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44 (new). The adjustable height seat of Claim 43 wherein said seat is entirely supported on said upper member.